Rodney N. Cooper. *Clemson University:* Suzanne W. Ayres, Jennifer A. Miller, Amy S. Rawls, Stephanie D. Wallace. *Fashion Institute of Technology:* Elizabeth Falls, Muff Mayer, Sheri L. Reifsnyder. *Florida State University:* Christine M. Rawlings, Keith Shoemaker. *Georgia Institute of Technology:* Kimberly D. Fleck, Darren W. Gore, Lynn R. Johnson, Kenneth W. Parkman, Elizabeth W. White. *Kansas State University:* Julie K. Luedke. *North Carolina State University:* Martin E. Cowan, Kenneth T. Huggins, Jennifer Y. Lee, Richard T. Moore. *Oregon State University:* Catherine M. Zautner. *Philadelphia College of Textiles & Science:* Shawna L. Garraway, Maria J. Leano, Irfan A. Madhani, Rachot Oonpipat, Jose R. Puig. *University of California, Davis:* Teresa T. Tam, Angela M. Miller. *University of Delaware:* Mindi H. Burman. *University of Massachusetts, Dartmouth:* Greg S. Kolbeck, Keith R. Lassonde, Claudia E. Ralkkonen. *University of Rhode Island:* Amy E. Covell, Denise M. D'Annibale, Lynn A. Desmet, Elizabeth A. Dubrovsky, Michelle L. Dupre, Jennifer Lara, Sarah A. Moder, Kimberly C. Radigan, Kathryn L. Thunberg.

International. *Senior:* Mario Champigny, technical manager, Berkley Wallcoverings Inc., Sherbrooke, Quebec, Canada. *Senior:* Loi Chee Yin, factory manager, MWE Textile, Kulim, Kedah, West Malaysia. Proposed by P. Ng. *Senior:* Roberto B. Cheng, assistant sales manager, L. G. Takinson Inc., Quezon City, Metro Manila, Philippines. *Senior:* Ricardo J. Ciero, product manager, Unitrading S. A., Buenos Aires, Argentina. Proposed by J. G. Day. *Senior:* Andrew P. Clifford, field sales manager, Tennants Lancs Ltd., Manchester, England. *Senior:* Anne N. Dallaire, assistant technical manager, Berkley Wallcoverings Inc., Sherbrooke, Quebec, Canada. *Senior:* Lazaros B. Demonakos, dyehouse director, Spinning & Knitting Mills SA, Athens, Greece. Proposed by M. Ahmed. *Senior:* Melvin D. Patterson, product manager, Bayer Canada Inc., Point Claire, Quebec, Canada. Proposed by S. Williamson. *Senior:* Alan G. Samin, director, Auxelle Pty Ltd., Research, Victoria, Australia. *Senior:* Carlos A. Scrugli, gerente production, Corbella Y Cia SA, Buenos Aires, Argentina. Proposed by N. Fenoglietto. *Senior:* Ronald Seguin, plant manager, Consoltex Inc., Cowansville, Quebec, Canada. Proposed by J. Boutin. *Senior:* Francois Simard, technical director, Stedfast Inc., Granby, Quebec, Canada. *Senior:* James E. Thorpe, vice president, marketing, Hickson Dumar Inc., St. Catharines, Ontario, Canada. Proposed by J. P. Davis. *Senior:* Marc Van Parys, professor, CTL, Gent, Belgium. *Associate:* Roger Girard, technical sales representative, Trichromatic, St-Eustache, Quebec, Canada. *Associate:* Tam Kwok Wa, quality control supervisor, Mandarin Spinning Industries Ltd., Pakkrat, Nonthabury, Thailand. Proposed by A. K. W. Tse. *Associate:* Pierluigi Messa, export sales manager, Reggiani Macchine S.p.A, Bergamo, Italy. *Student:* Nabeel Ahmaad, National College of Textile Engineering, Faisalabad, Pakistan.

Cumulative Index

Need to find something published in Textile Chemist and Colorist during calendar 1992? This index can help you find it quickly either by author or by subject matter.

For example, if you know that the article you are looking for was written by Blanchard, a check of the index of authors shows that Eugene J. Blanchard is the author of Title 3. The index of titles, in turn, identifies Title 3 as Dyeing of Crosslinked Cotton Containing Glycol Additives, and shows that it was published in the January issue (1) beginning on page 13.

If you don't know who wrote the article, you can locate it by using the key term index. You know, for example, that the article reports on research on *crosslinking* and deals with *dyeing*. Finding either of those terms in the key term index will give you the title numbers of all articles published this year pertaining to those terms.

Copies of individual articles—whether in the form of reprints, tearsheets or photocopies—are available at $8 each (prepaid U.S. funds net; surface postage) from AATCC, P. O. Box 12215, Research Triangle Park, N. C. 27709-2215 USA; telephone 919-549-8141; fax 919-549-8933.

The magazine is also available on microfilm from University Microfilms, Ann Arbor, Mich. 48106. In addition, the magazine is abstracted by Chemical Abstracts, Engineering Index, Textile Technology Digest, Titus (Institut Textil de France) and World Textile Abstracts.

Key Term Index

The number(s) to the right of each entry refer to the number(s) assigned to the titles listed in the index of titles.

AATCC Awards 44,45,46
AATCC Council Highlights:
November 1991 13
May 1992 41
AATCC in Perspective 1
AATCC International Conference & Exhibition 37,43,69
AATCC National Officers 2,52
AATCC Research Committee Activity:
Fall 1991 7
Winter 1992 24
Spring 1992 42
AATCC Standard Definitions 14
Absorbance 11
Accelerated Weathering 53
Acceptability Tolerances 26
Acid Dyes 11,21,65
Acid Washed Denim 27
Alkali Dosing Process 50
Alkylating Agents 17
Amorphous Orientation 31
Analytical Techniques 38
Analytical Wavelength 11
Anthranilic Acid 27
Anthraquinone Dyes 5
Antioxidant 23
Aquatic Toxicity 34
Asbestos Fibers 22
Auxiliary Chemicals 21
Azoic Combinations 40,48
Barré 64
Batch Aftertreatments 12
Batch Application 40,48
Batch Dyeing 23,28,35,68
Batch Finishing 16
Benzodifuranone Dyes 5
Bifunctional Dyes 35,50
Biodegradable Plastics 53
Biological Oxygen Demand 34
Book Review 29,58
BTCA 33
Capital Investment 36
Carriers 64
Catalyst Poisons 9
Catalysts 33
Cationic Finishing System 9
Cellulase Enzymes 32
Chapin Award 45
Chemical Bonds 22
Chrome Dyeing 21
Chromophores 35
Chrysotile Asbestos 22
CIE Color Space 19,26
Circular Knit Fabrics 16
Color Communication 19
Color Difference 51
Color Difference Formula 26
Color Gamut 12
Colorimetry 51
Color Matching 26
Color Measurement 10,11,19,26
Color Specification 19
Color Tolerance 51
Color Uniformity 51
Continuous Application 40,48
Continuous Dyeing 12,23,35,39
Continuous Finishing 16
Continuous Washing 18
Cork Cross-Sectioning 49
Cotton 3,9,30,32,39,55,59,61
Coupling 40,48
Coupling Components 40,48
Crosslinking 3,9
Denim 9,27,32,47,54
Desizing 34,66
Diazo Components 40,48

Rodney N. Cooper. *Clemson University:* Suzanne W. Ayres, Jennifer A. Miller, Amy S. Rawls, Stephanie D. Wallace. *Fashion Institute of Technology:* Elizabeth Falls, Muff Mayer, Sheri L. Reifsnyder. *Florida State University:* Christine M. Rawlings, Keith Shoemaker. *Georgia Institute of Technology:* Kimberly D. Fleck, Darren W. Gore, Lynn R. Johnson, Kenneth W. Parkman, Elizabeth W. White. *Kansas State University:* Julie K. Luedke. *North Carolina State University:* Martin E. Cowan, Kenneth T. Huggins, Jennifer Y. Lee, Richard T. Moore. *Oregon State University:* Catherine M. Zautner. *Philadelphia College of Textiles & Science:* Shawna L. Garraway, Maria J. Leano, Irfan A. Madhani, Rachot Oonpipat, Jose R. Puig. *University of California, Davis:* Teresa T. Tam, Angela M. Miller. *University of Delaware:* Mindi H. Burman. *University of Massachusetts, Dartmouth:* Greg S. Kolbeck, Keith R. Lassonde, Claudia E. Ralkkonen. *University of Rhode Island:* Amy E. Covell, Denise M. D'Annibale, Lynn A. Desmet, Elizabeth A. Dubrovsky, Michelle L. Dupre, Jennifer Lara, Sarah A. Moder, Kimberly C. Radigan, Kathryn L. Thunberg.

International. *Senior:* Mario Champigny, technical manager, Berkley Wallcoverings Inc., Sherbrooke, Quebec, Canada. *Senior:* Loi Chee Yin, factory manager, MWE Textile, Kulim, Kedah, West Malaysia. Proposed by P. Ng. *Senior:* Roberto B. Cheng, assistant sales manager, L. G. Takinson Inc., Quezon City, Metro Manila, Philippines. *Senior:* Ricardo J. Ciero, product manager, Unitrading S. A., Buenos Aires, Argentina. Proposed by J. G. Day. *Senior:* Andrew P. Clifford, field sales manager, Tennants Lancs Ltd., Manchester, England. *Senior:* Anne N. Dallaire, assistant technical manager, Berkley Wallcoverings Inc., Sherbrooke, Quebec, Canada. *Senior:* Lazaros B. Demonakos, dyehouse director, Spinning & Knitting Mills SA, Athens, Greece. Proposed by M. Ahmed. *Senior:* Melvin D. Patterson, product manager, Bayer Canada Inc., Point Claire, Quebec, Canada. Proposed by S. Williamson. *Senior:* Alan G. Samin, director, Auxelle Pty Ltd., Research, Victoria, Australia. *Senior:* Carlos A. Scrugli, gerente production, Corbella Y Cia SA, Buenos Aires, Argentina. Proposed by N. Fenoglietto. *Senior:* Ronald Seguin, plant manager, Consoltex Inc., Cowansville, Quebec, Canada. Proposed by J. Boutin. *Senior:* Francois Simard, technical director, Stedfast Inc., Granby, Quebec, Canada. *Senior:* James E. Thorpe, vice president, marketing, Hickson Dumar Inc., St. Catharines, Ontario, Canada. Proposed by J. P. Davis. *Senior:* Marc Van Parys, professor, CTL, Gent, Belgium. *Associate:* Roger Girard, technical sales representative, Trichromatic, St-Eustache, Quebec, Canada. *Associate:* Tam Kwok Wa, quality control supervisor, Mandarin Spinning Industries Ltd., Pakkrat, Nonthabury, Thailand. Proposed by A. K. W. Tse. *Associate:* Pierluigi Messa, export sales manager, Reggiani Macchine S.p.A, Bergamo, Italy. *Student:* Nabeel Ahmaad, National College of Textile Engineering, Faisalabad, Pakistan.

Cumulative Index

Need to find something published in Textile Chemist and Colorist during calendar 1992? This index can help you find it quickly either by author or by subject matter.

For example, if you know that the article you are looking for was written by Blanchard, a check of the index of authors shows that Eugene J. Blanchard is the author of Title 3. The index of titles, in turn, identifies Title 3 as Dyeing of Crosslinked Cotton Containing Glycol Additives, and shows that it was published in the January issue (1) beginning on page 13.

If you don't know who wrote the article, you can locate it by using the key term index. You know, for example, that the article reports on research on *crosslinking* and deals with *dyeing*. Finding either of those terms in the key term index will give you the title numbers of all articles published this year pertaining to those terms.

Copies of individual articles—whether in the form of reprints, tearsheets or photocopies—are available at $8 each (prepaid U.S. funds net; surface postage) from AATCC, P. O. Box 12215, Research Triangle Park, N. C. 27709-2215 USA; telephone 919-549-8141; fax 919-549-8933.

The magazine is also available on microfilm from University Microfilms, Ann Arbor, Mich. 48106. In addition, the magazine is abstracted by Chemical Abstracts, Engineering Index, Textile Technology Digest, Titus (Institut Textil de France) and World Textile Abstracts.

Key Term Index

The number(s) to the right of each entry refer to the number(s) assigned to the titles listed in the index of titles.

AATCC Awards 44,45,46
AATCC Council Highlights:
November 1991 13
May 1992 41
AATCC in Perspective 1
AATCC International Conference & Exhibition 37,43,69
AATCC National Officers 2,52
AATCC Research Committee Activity:
Fall 1991 7
Winter 1992 24
Spring 1992 42
AATCC Standard Definitions 14
Absorbance 11
Accelerated Weathering 53
Acceptability Tolerances 26
Acid Dyes 11,21,65
Acid Washed Denim 27
Alkali Dosing Process 50
Alkylating Agents 17
Amorphous Orientation 31
Analytical Techniques 38
Analytical Wavelength 11
Anthranilic Acid 27
Anthraquinone Dyes 5
Antioxidant 23
Aquatic Toxicity 34
Asbestos Fibers 22
Auxiliary Chemicals 21
Azoic Combinations 40,48
Barré 64
Batch Aftertreatments 12
Batch Application 40,48
Batch Dyeing 23,28,35,68
Batch Finishing 16
Benzodifuranone Dyes 5
Bifunctional Dyes 35,50
Biodegradable Plastics 53
Biological Oxygen Demand 34
Book Review 29,58
BTCA 33
Capital Investment 36
Carriers 64
Catalyst Poisons 9
Catalysts 33
Cationic Finishing System 9
Cellulase Enzymes 32
Chapin Award 45
Chemical Bonds 22
Chrome Dyeing 21
Chromophores 35
Chrysotile Asbestos 22
CIE Color Space 19,26
Circular Knit Fabrics 16
Color Communication 19
Color Difference 51
Color Difference Formula 26
Color Gamut 12
Colorimetry 51
Color Matching 26
Color Measurement 10,11,19,26
Color Specification 19
Color Tolerance 51
Color Uniformity 51
Continuous Application 40,48
Continuous Dyeing 12,23,35,39
Continuous Finishing 16
Continuous Washing 18
Cork Cross-Sectioning 49
Cotton 3,9,30,32,39,55,59,61
Coupling 40,48
Coupling Components 40,48
Crosslinking 3,9
Denim 9,27,32,47,54
Desizing 34,66
Diazo Components 40,48

Diazotization 40,48
Differential Dyeing 9
Disperse Dyes 5,20,39,57,63,64,68
Dispersing Agents 57,63
DMDHEU 55
Durable Press 33,55,61
Dyebath Exhaustion 15
Dyebath Reuse 63
Dye Chemistry 23
Dye Classification 12,68
Dye Diffusion 31
Dye-Fiber Bonds 28
Dye Fixation 15
Dye Streaks 31
Dyeing 3,6,10,12,15,17,21,22,23,25,39,50,56,58,64,65
Dyeing Machinery 25
Dyes 6,12,17
Election of Officers 52
Electrochemical Treatment 63
Environmental Issues 21,34
Enzymatic Desizing 66
Exhaustion 50
Fabric Analysis 38
Fast Bases 40,48
Fast Salts 40,48
Fastness Properties 12,21,23,68
Fiber Analysis 49
Fiber Morphology 31
Fiber Structure 38,49
Finishing 3,9,10,16,21,32,33,56,60,61
Fixation Efficiency 35,50
Flammability 59
Formaldehyde Release 55,60,61
FT-IR 33
Functional Groups 6,17
Garment Wet Processing 9,25
Gas Chromatography 47
Glycol 3
Heatsetting 68
Heterocyclic Rings 35
Indigo 6,27,47,54
Indigo Dyeing 12
Industrial Fibers 22
In-Process Quality 56
Internal Viscosity 31
Isatin 27
Leaving Groups 35
Letters 4,59,60
Leuco-Sulfur Anions 17,23
Leuco-Vat Anions 6
Level Dyeing 21,50
Lightfastness Testing 54,65
Ligninsulphonate 63
Machinery 25
Man-Made Fibers 57,64
Mass Spectroscopy 47
Metal Complex Dyes 21
Metal Ions 47,54
Microfibers 5,68
Microscopy 30,38,49
Migration 50
Millson Award 46
Mordant Dyeing 22
Naphthalene Sulphonate 63
Naphthols 40,48
Nernst Sorption Isotherm 57,64
Neutron Activation 47
New Products: 1991 8
Nonionic Dyes 57,64
Nucleophilic Reactions 28,35
Nylon 57,64,65
Nylon 66 31
Oligomers 68
Olney Medal 44
Olney Medal Address: 1992 61
On-Line Color Measurement 10
Oxidation-Reduction 47
Oxidative Desizing 66
Oxidizing Agents 6,9,17
Pad Batch Dyeing 35
Padding 23,39
Paper Chromatography 15
Paper of the Year:1991 36
pH Control 50
Phosphine 33
Photodegradation 53
Photoyellowing 47,54
Piece Dyeing 9
Pigmentation 12
Pigments 6,17,53
Plate Cross-Sectioning 49
Pollution Reduction 34
Polyacrylamide 66
Polycarboxylic Acids 33
Polyester 31,39,57,64,68
Polyester/Cellulose 5
Polyethylene 53
Polyethylene Glycol 3
Polysulfide 23
Potassium Permanganate 27
President's Message 1991-92 1
Problem Solving 67
Process Control 10,25
Process Development 21
Product Review 8
Quality Control 56
Reactive Dyes 15,28,35,50
Reducing Agents 6,17
Reproducibility 35
Research Committee Activity 7,14,24,42
Round Robin Tests 11
Sample Preparation 38,49
Scanning Electron Microscopy 30
Secondary Cellulose Acetate 57
Series on Dyeing 6,12,17,23,28,35,40,48,57,64,68
Shade Sorting 10,26,51
Shade Standards 10,26
Shrinkage 16
Sizing Materials 30
Sodium Hypophosphite 33
Spectrophotometry 11
Statistical Analysis 11
Steaming 39
Strength Determination 11
Stone Finishing 9
Stone Washing 27,32
Sublimation 64
Sulfur Dyeing 23
Sulfur Dyes 17
Surfactants 34
System Analysis 56
Terminology 14
Test Methods 7,11,14,20,24,42
TGA 33
Thermal Mobility 31
Thermofixation 64
Thermosol Dyeing 39
Titanium Dioxide 53
Transmittance 11
Trimers 68
Troubleshooting 56,67
Urea Formaldehyde 55,61
Vat Dyeing 12
Vat Dyes 6,39
Vinyl Sulfones 35
Visual Color Evaluation 26
Warp Sizing 30,34
Wash Boxes 18
Washers 18
Waste Reduction 53
Wastewater 34,63
Wetfastness 28
Wet-on-Wet Process 12
Wool 21,58,65
Yarn Geometry 38
Yarn Preparation 30
Yellowing 27,47,54

I Remember When

A popular feature of the magazine beginning with the February 1991 issue, I Remember When is run every month that space is available in the magazine. This year the stories ran in eleven issues of *Textile Chemist and Colorist*. Following the system used in the Index of Titles, a page number follows each numbered month the feature ran during calendar 1992: 1/17, 2/38, 3/8, 4/26, 5/14, 6/46, 8/11, 9/14, 10/8, 11/26 and 12/15.

Index of Titles

The numbers to the right of each entry provide the issue and page number for that title. Title 3, for example, was published 1/13 (1 = January issue; 13 = the page number in the January issue).

(1) AATCC Leads. President Warren S. Perkins, newly elected to a second term, takes an appraising look at the association's activities and objectives 1/11

(2) National Officers Elected for 1992. President and five regional vice-presidents are elected at the association's annual meeting in New York 1/12

(3) Dyeing of Crosslinked Cotton Containing Glycol Additives. By Eugene J. Blanchard and Robert M. Reinhardt, Southern Regional Research Center, U.S. Department of Agriculture 1/13

(4) *Letters:* Wild Persimmon Cookies. By Doug Chambers, Fort Mill, S. C. 1/17

(5) Recent Advances in Disperse Dye Development and Applications. By Alan T. Leaver, Brian Glover and Peter W. Leadbetter, ICI Colours 1/18

(6) A Series on Dyeing: Chapter 3/Part 1: Vat Dyes and Their Application. By J. R. Aspland, Clemson University 1/22

(7) AATCC Research Committee Activity: November 1991 ..... 1/25

(8) A Review of New Products for the Dyehouse and the Lab Introduced During Calendar 1991 ..... 1/31

(9) Stone Finishing and Dyeing of Cotton Garments. By Robert J. Harper Jr. and Allan H. Lambert, Southern Regional Research Center, U.S. Department of Agriculture 2/13

(10) On-Line Continuous Color Monitoring. By Robert F. Willis, SheLyn Inc. 2/19

(11) A Possible Test Method for Determining the Strength of Acid Dyes. By Bob L. McConnell, Burlington Industries, Ralph Besnoy, ICI Colors and Fine Chemicals, Regina Sue D. Wagner, Ciba-Geigy Corp. and Duwayne Carlson, Consultant 2/23

(12) A Series on Dyeing: Chapter 3/Part 2: Vat Dyes and Their Application. By J. R. Aspland, Clemson University 2/27

(13) AATCC Council Highlights: The 325th meeting of the AATCC Council was held November 21, 1991 in New York 2/26

(14) Standard AATCC Definitions: Why and How. By Robert S. Merkel, Florida International University 3/11

(15) Problems in Measuring Dyebath Exhaustion and Fixation Yields in Dyeing Cotton with Reactive Dyes. By Yaweh Qu and Siamak Jamshidi-Barzi, University of Sherbrooke 3/13

(16) Continuous Finishing of Circular Knit Fabrics. By Carl E. Saufley, Tubular Textile Machinery Corp. 3/17

(17) A Series on Dyeing: Chapter 4/Part 1: Sulfur Dyes and Their Application. By J. R. Aspland, Clemson University 3/21

(18) Continuous Open Width Washing of Woven Fabrics. By Mack E. Atkinson, Galey & Lord Inc. 3/25

(19) Color Communication in the 90s. By Roderick McDonald, J&P Coats Ltd., Anchor Mills 4/11

(20) *Short Communication:* Stability of Dye Dispersions. By Erik Kissa, The Du Pont Co. 4/16

(21) Wool Dyeing: What's New? By Martin Bide, University of Rhode Island 4/17

(22) Dyeing Asbestos Fibers. By Fathi Habashi, Université Laval 4/23

(23) A Series on Dyeing: Chapter 4/Part 2: Practical Application of Sulfur Dyes. By J. R. Aspland, Clemson University 4/27

(24) AATCC Research Committee Activity: February 1992 ..... 4/32

(25) Dyeing Machines for Dyeing Garments: Not

Cumulative Index

Just Adding Color. By Jimmy R. Martin, Martint Equipment Co. 5/17

(26) Conversion of a Visual to an Instrumental Color Matching System: An Exploratory Approach. By Rosemary E. Vanderhoeven, University of Guelph 5/19

(27) How Oxidation of Indigo Contributes to the Yellowing of Acid Washed Denim. By A. H. Reidies, D. Jensen and M. Guisti, Carus Chemical Co. .. 5/26

(28) A Series on Dyeing: Chapter 5/Part 1: Reactive Dyes and Their Application. By J. R. Aspland, Clemson University 5/31

(29) *Book Review:* A History of the International Chemical Industry. By Fred Aftalion. Reviewed by Herbert T. Pratt 5/45

(30) Scanning Electron Microscopy for Problem Solving in Textiles. By David M. Hall, Robert P. Walker and Emilio C. Mora, Auburn University 6/15

(31) The Relationship Between Fiber Structure and Dye Diffusion. By Hawthorne A. Davis, Du Pont Fibers 6/19

(32) Improving the Softness and Surface Appearance of Cotton Fabrics and Garments by Treatment with Cellulase Enzymes. By R. Michael Tyndall, Cotton Inc. 6/23

(33) Safety of Sodium Hypophosphite Catalyst Under Textile Finishing Conditions. By N. M. Morris, B. J. Trask-Morrell and B. A. Kottes Andrews, Southern Regional Research Center, U.S. Department of Agriculture 6/27

(34) Reducing Pollution in Warp Sizing and Desizing. By C. Brent Smith, North Carolina State University 6/30

(35) A Series on Dyeing: Chapter 5/Part 2: Practical Application of Reactive Dyes. By J. R. Aspland, Clemson University 6/35

(36) Study on Capital Investment is Judged 'Paper of the Year' 8/7

(37) Technical Program Announced for AATCC's 1992 International Conference & Exhibition in Atlanta 8/15

(38) Useful Techniques in Textile Microscopy. By Patricia A. Annis and Thomas W. Quigley Jr., University of Georgia, and Karen E. Kyllo, AATCC Technical Center 8/19

(39) Problem Solving in Continuous Dyeing of Cotton and Cotton/Polyester Fabrics with Vat and Disperse Dyes. By C. Lester Boyd, Sunbelt Corp. 8/23

(40) A Series on Dyeing: Chapter 6/Part 1: Azoic Combinations: Chemical Principles. By J. R. Aspland, Clemson University 8/26

(41) AATCC Council Highlights: The 327th meeting of the AATCC Council was held May 14, 1992 in Research Triangle Park 8/29

(42) AATCC Research Committee Activity: May 1992 ..... 8/30

(43) AATCC's International Conference & Exhibition Meets Next Month at the Inforum in Atlanta 9/19

(44) Bethlehem K. Andrews to Receive The Olney Medal 9/49

(45) Marguerita C. Hindle to Receive The Chapin Award 9/50

(46) Sueo Kawabata to Receive The Millson Award 9/52

(47) Evaluation of Factors Contributing to the Light-Induced Yellowing of Whitewashed Denim. Part 1: Identification of Extractable Organics and Metal Ions. By James W. Rucker, Harold S. Freeman and Wei-Neen Hsu, College of Textiles, North Carolina State University 9/66

(48) A Series on Dyeing: Chapter 6/Part 2: Azoic Combinations: Practical Applications. By J. R. Aspland, School of Textiles, Clemson University 9/74

(49) Hand Techniques for Cross-Sectioning Fibers and Yarns. By Patricia A. Annis and Thomas W. Quigley Jr., University of Georgia, and Karen E. Kyllo, AATCC Technical Center 9/78

(50) Recent Developments in Optimizing Reactive Dyeing of Cotton. By Kunihiko Imada, Naoki Harada and Tsuyoshi Yoshida, Sumitomo Chemical Co. 9/83

(51) Shade Sorting Re-Examined. By J. R. Aspland and James P. Jarvis, Clemson University 9/88

(52) Ballots Are In The Mail for National Officers for 1993 ..... 10/4

(53) Pigments and Other Additives that Influence the Degradation Rate of Polyethylene Films. By Karen K. Leonas, University of Georgia 10/13

(54) Evaluation of Factors Contributing to the Light-Induced Yellowing of Whitewashed Denim. Part 2: Effects of Various Treatments on Metal Content and Photoyellowing. By James W. Rucker, Harold S. Freeman and Whei-Neen Hsu, North Carolina State University 10/21

(55) A Dynamic Method for Measuring Formaldehyde Relesase from Durable Press Fabrics. By Billie J. Collier, Yongping Chen and John R. Collier, Louisiana State University 10/26

(56) A System Analysis of Textile Operations: A Modern Approach for Meeting Customer Requirements. By Gulser Koksal, William A. Smith Jr. and C. Brent Smith, North Carolina State University 10/30

(57) A Series on Dyeing: Chapter 7/Part 1: The Application of Nonionic Dyes to Fibers: Nonionics and Their Sorption by Man-Made Fibers. By J. R. Aspland, Clemson University 10/36

(58) *Book Review:* Wool Dyeing. Edited by David M. Lewis. Reviewed by George W. Spicer 11/8

(59) *Letters:* A Simple Method for Reducing Cigarette Caused Upholstery Fires. By John F. Krasney, Kensington, Md. 11/12

(60) *Letters:* Lowering Formaldehyde Release. By Richard D. Smith, Opelika, Ala. 11/12

(61) Safe, Comfortable, Durable Press Cottons: A Natural Progress for a Natural Fiber. By Bethlehem K. Andrews, 1992 Olney Medalist . 11/17

(62) AATCC Honors 50-Year Members. Thirteen members who joined the association in 1942 are added to the Honor Roll. 11/23

(63) Spectrophotometric Analysis of Electrochemically Treated, Simulated Disperse Dyebath Effluent. AATCC Hudson-Mohawk Section, 1992 Intersectional Technical Paper Competition 11/29

(64) A Series on Dyeing: Chapter 7/Part 2: The Application of Nonionic Dyes to Fibers: Nonionics and Their Sorption by Man-Made Fibers. By J. R. Aspland, Clemson University 11/38

(65) How Dye Structure and pH Affect Acid Dyeing and Lightfastness of Wool and Nylon. By Ian Weatherall, University of Otago, Dunedin, New Zealand and Howard L. Needles, University of California at Davis 12/7

(66) The Use of Polyacrylamide in Desizing. By Ajoy K. Sarkar, University of Georgia 12/12

(67) The Knack of Problem Solving. By Herbert T. Pratt 12/16

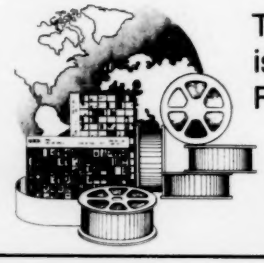
(68) A Series on Dyeing: Chapter 8: Disperse Dyes and Their Application to Polyester. By J. R. Aspland, Clemson University 12/18

(69) AATCC in Atlanta: 1992 International Conference & Exhibition 12/24

Index of Authors

The number(s) to the right of each entry refer to the number(s) assigned to the author's paper(s) in the index of titles.

Andrews, B. A. Kottes 33,61
Annis, Patricia A. 38,49
Aspland, J. R. ... 6,12,17,23,28,35,40,48,51,57,64,68
Atkinson, Mack E. 18
Besnoy, Ralph 11
Bide, Martin 21
Blanchard, Eugene J. 3
Boyd, C. Lester 39
Carlson, Duwayne 11
Chambers, Doug 4,36
Chen, Yongping 55
Collier, Billie J. 55
Collier, John R. 55
Davis, Hawthorne A. 31
Freeman, Harold S. 47,54
Glover, Brian 5
Guisti, M. 27
Habashi, Fathi 22
Hall, David M. 30
Harada, Naoki 50
Harper, Robert J. 9
Hsu, Wei-Neen 47,54
Hudson-Mohawk Section: AATCC 63
Imada, Kunihiko 50
Jamshidi-Barzi, Siamak 15
Jarvis, James P. 51
Jensen, D. 27
Kissa, Erik 20
Koksal, Gulser 56
Krasney, John F. 59
Kyllo, Karen E. 38,49
Lambert, Allan H. 9
Leadbetter, Peter W. 5
Leaver, Alan T. 5
Leonas, Karen K. 53
Martin, Jimmy R. 25
McConnell, Bob L. 11
McDonald, Roderick 19
Merkel, Robert S. 14
Mora, Emilio C. 30
Morris, Nancy M. 33
Needles, Howard L. 65
Perkins, Warren S. 1
Pratt, Herbert T. 29,67
Qu, Yaweh 15
Quigley Jr., Thomas W. 38,49
Reidies, A. H. 27
Reinhardt, Robert M. 3
Rucker, James W. 47,54
Sarkar, Ajoy K. 66
Saufley, Carl E. 16
Smith, C. Brent 34,56
Smith, Richard D. 60
Smith Jr., William A. 56
Spicer, George W. 58
Trask-Morrell, Brenda J. 33
Tyndall, R. Michael 32
Vanderhoeven, Rosemary E. 26
Wagner, Regina Sue D. 11
Walker, Robert P. 30
Weatherall, Ian 65
Willis, Robert F. 10
Yoshida, Tsuyoshi 50



Textile Chemist and Colorist is available in microform. For information write:

University Microfilms International
300 North Zeeb Road
Ann Arbor, MI 48106